

	PAGE
Eddington Medal, Address on award of ...	202
Edinburgh, Royal Observatory, Report and proceedings of ...	136
Evans, David S., An occultation of Antares observed at the Union Observatory ...	468
Ewart, D. G., On the relation between the stream and the ellipsoid constants ...	47
— Note concerning "The constants of the velocity ellipsoid from the radial velocities of 820 stars" ...	575
Feast, M. W., The spectrum of Nova Sagittarii 1954 (Haro-Herraro) ...	461
— A. D. Thackeray and J. A. Wessink, Radial velocities of southern B stars determined at the Radcliffe Observatory (Summary of paper published in <i>Mem. R.A.S.</i> ) ...	217
Fellows deceased ...	124
Fellows elected ...	1, 107, 219, 339, 582, 583
Gaposchkin, Sergei, The bright double-lined eclipsing variable CV VEL ...	391
Gething, P. J. D., Greenwich observations of the horizontal and vertical diameters of the Sun ...	558
Gifts to the General Funds and Property of the Society ...	121
— to the Library ...	122
— See also Presents announced.	
Glasgow, University Observatory, Report of proceedings of ...	148
Godlee Observatory, Manchester, Report of proceedings of ...	182
Gold, T., H. Bondi and, On the damping of the free nutation of the Earth ...	41
— The symmetry of the corona of 1954 June 30 ...	340
— The lunar surface ...	585
Gold Medal, Announcement of award to Professor Dirk Brouwer ...	
— Address on award of ...	199
— Presentation ...	220
Gottlieb, K., R. v. d. R. Woolley, W. Heintz, A. de Vaucouleurs and, Monochromatic magnitudes of Mars in 1954 ...	57
Greaves, W. M. H., E. A. Baker and R. Wilson, Spectrophotometric measurements of early type stars. II. Results for stars of type B1 (Summary of paper published in the publications of the Royal Observatory, Edinburgh ...	338
Greenwich, Royal Observatory, Mean daily areas and heliographic latitudes of sunspots in the years 1953 and 1954 ...	577
— Report of proceedings of ...	131
Hanbury Brown, R., H. P. Palmer and A. R. Thompson, Polarization measurements on three intense radio sources ...	487
Haughton, J. L., Report of his observatory (Charmouth) ...	183
Heath, M. B. B., Report of his observatory (Kingsteignton) ...	183
Heintz, W., R. v. d. R. Woolley, K. Gottlieb, A. de Vaucouleurs and, Monochromatic magnitudes of Mars in 1954 ...	57
Hey, J. S. and V. A. Hughes, The east-west asymmetry of solar flares and their radio emission ...	605
Hindmarsh, W. R., An interferometric investigation of the effect of hyperfine structure on solar line profiles ...	276
Hogg, A. R., Surface photometry of the Magellanic Clouds ...	472
Holborn, F. M., Report of his observatory (Peaslake) ...	183
Hughes, V. A., J. S. Hey and, The east-west asymmetry of solar flares and their radio emission ...	605
Hyderabad, Nizamiah Observatory, Report and proceedings of ...	171
Instruments: Interferometric measurements of wave-lengths. III. A note on observational technique in the method of circular channels, M. G. Adam ...	422
— On the flexure of meridian circles, R. d'E. Atkinson ...	427
— The Oxford 35 m solar telescope, H. H. Plaskett ...	542
Investments ...	120
Jackson, J., Address on the award of the Gold Medal to Professor Dirk Brouwer ...	199
— Address on the award of the Eddington Medal to Professor H. C. van de Hulst ...	202
— (Presidential Address), On the need for observations in the older branches of astronomy, especially double stars ...	204
Jarrett, A. H. and H. von Klüber, Interferometric measurements of the green corona line during the total solar eclipse of 1954 June 30 ...	343
Jefferies, J. T., The H $\alpha$ emission of prominences ...	617
Jodrell Bank Experimental Station, Report of proceedings of ...	151
Johannesburg, Union Observatory, Report of proceedings of ...	168
Johnson, Martin, Problems of Stark broadening for experimental and astronomical spectra liable to self-absorption ...	15
Junior Members elected ...	339, 583
Klüber, H. von, A. H. Jarrett and, Interferometric measurements of the green corona line during the total solar eclipse of 1954 June 30 ...	343

	PAGE
<i>Kodaikanal Observatory, Report of proceedings of</i> ... ..	172
<i>Lindsay, E. M., Emission objects in the Small Magellanic Cloud showing the N<sub>1</sub>, N<sub>2</sub> nebular lines</i> ... ..	248
<i>London, University of, Observatory, Report of proceedings of</i> ... ..	149
<i>Lovell, A. C. B., J. G. Davies and, The Giacobinid meteor stream</i> ... ..	23
<b>Magnitudes and colours :</b> The intrinsic colours of galactic cepheid variables, <i>D. W. N. Stibbs</i> ... ..	323
—Monochromatic magnitudes of Mars in 1954, <i>R. v. d. R. Woolley, K. Gottlieb, W. Heintz and A. de Vaucouleurs</i> ... ..	57
<i>Malvern, Radar Research Establishment, Report of proceedings of</i> ... ..	150
<i>Manchester, Godlee Observatory, Report of proceedings of</i> ... ..	182
<b>Meetings of the Royal Astronomical Society :</b> Reports of proceedings at :	
1955 January 14 ... ..	1
1955 February 11 (Anniversary Meeting) ... ..	107
1955 February 11 (Annual General Meeting) ... ..	108
1955 March 11 ... ..	219
1955 April 6 ... ..	219
1955 May 13 ... ..	339
1955 September 8 (Additional Meeting) ... ..	581
1955 October 14 ... ..	582
1955 November 11 ... ..	582
1955 December 9 ... ..	583
<i>Message, P. J., The second-order theory of the figure of Jupiter</i> ... ..	550
<b>Meteors, Meteoric Showers, Zodiacal Light :</b> The Giacobinid meteor stream, <i>J. G. Davies and A. C. B. Lovell</i> ... ..	23
<i>Milsum, A. S., H. W. Newton and, Note on the observed differences in spottedness of the Sun's northern and southern hemispheres</i> ... ..	398
<b>Moon : Orbit and Movements :</b> The lunar surface, <i>T. Gold</i> ... ..	585
<i>Moore, Patrick A., Report of his observatory (East Grinstead)</i> ... ..	183
<i>Mount Stromlo, Commonwealth Observatory, Report of proceedings of</i> ... ..	175
<i>Murray, C. A., R. d'E. Atkinson and, Cinematography of partial solar eclipses. III. Analysis of the observations made at Mombasa, 1948 November 1</i> ... ..	60
<i>Narrative account of the state and activities of the Society during 1954</i> ... ..	109
<i>Newton, H. W., Solar activity: Sunspots (Report on progress of astronomy)</i> ... ..	185
— and <i>A. S. Milsum, Note on the observed differences in spottedness of the Sun's northern and southern hemispheres</i> ... ..	398
<i>Nizamiah Observatory, Hyderabad, Report of proceedings of</i> ... ..	171
<i>Norman Lockyer Observatory, Sidmouth, Report of proceedings of</i> ... ..	158
<b>Obituary Notices :</b>	
<i>Ernest Esclanton</i> ... ..	124
<i>Richard Schorr</i> ... ..	124
<i>Selig Brodetsky</i> ... ..	126
<i>Frederick Richard Cripps</i> ... ..	127
<i>Inigo Owen Jones</i> ... ..	128
<i>Michael Stephanovitch Kovalenko</i> ... ..	128
<i>Henri Mineur</i> ... ..	129
<i>Edward O'Connor</i> ... ..	129
<i>Robert Fernor Rendell</i> ... ..	130
<b>Observatories :</b> Reports of proceedings of, see under place-names or observers' names	
<b>Officers and Council for 1955 ... ..</b>	216
<i>Olle, T. W., R. A. Brooker and, Apsidal-motion constants for polytropic models</i> ... ..	101
<i>Ottawa, Dominion Observatory, Report and proceedings of</i> ... ..	160
<i>Oeenden, M. W., A. E. Roy and, On the occurrence of commensurable mean motions in the solar system. II. The mirror theorem</i> ... ..	296
<i>Oxford, University Observatory, Report of proceedings of</i> ... ..	156
<i>Pagel, B. E. J., Centre-limb variations in the equivalent widths of some infra-red Fraunhofer lines</i> ... ..	493
<i>Palmer, H. P., R. Hanbury Brown, A. R. Thompson and, Polarization measurements on three intense radio sources</i> ... ..	487
<i>Perth Observatory, Report of proceedings of</i> ... ..	181
<i>Piddington, J. H., Hydromagnetic waves in ionized gas</i> ... ..	670
<b>Planets, their Satellites and Rings :</b> The second-order theory of the figure of Jupiter, <i>P. J. Message</i> ... ..	550
<i>Plashett, H. H., Interpretation of Fraunhofer-line profiles</i> ... ..	256

	PAGE
<i>Plaskett, H. H.</i> , The Oxford 35 m solar telescope ...	542
<i>Porter, J. G.</i> , Comets (Report on progress of astronomy) ...	190
Presents announced ...	1, 108, 219, 339, 581, 582, 583, 584
<i>Pretoria, Radcliffe Observatory</i> , Report of proceedings of ...	168
Progress and present state of the Society in 1954 ...	115
<i>Przybylski, A.</i> , A variational method for improving model stellar atmospheres ...	650
<i>Radcliffe Observatory, Pretoria</i> , Report of proceedings of ...	168
<b>Radio Astronomy</b> : A survey of the integrated radio emission at a wave-length of 3.7 m, <i>J. E. Baldwin</i> ...	684
— The distribution of the galactic radio emission, <i>J. E. Baldwin</i> ...	691
— Polarization measurements on three intense radio sources, <i>R. Hanbury Brown, H. P. Palmer and A. R. Thompson</i> ...	487
— The east-west asymmetry of solar flares and their radio emission, <i>J. S. Hey and V. A. Hughes</i> ...	605
<i>Radiophysics Laboratory, Sydney</i> , Report of proceedings of ...	177
<i>Reddish, V. C.</i> , The masses of the stars of Population II ...	32
— The period-luminosity relation in Population II ...	480
<i>Riverview College Observatory</i> , Report of proceedings of ...	176
<i>Roy, A. E. and M. W. Ovenden</i> , On the occurrence of commensurable mean motions in the solar system. II. The mirror theorem ...	296
<i>Roy, A. E.</i> , Note on a set of models for unmixed stars ...	396
<i>St. Andrews, University Observatory</i> , Report of proceedings of ...	157
<i>Sciama, D. W.</i> , On the formation of galaxies in a steady state universe ...	3
<i>Seaton, M. J.</i> , Continuum intensities in planetary nebulae ...	279
<i>Sellers, F. J.</i> , Report of his observatory (Muswell Hill) ...	183
<i>Sidmouth, Norman Lockyer Observatory</i> , Report and proceedings of ...	158
<b>Solar system. Planetary system</b> : The motions of the outer planets (George Darwin Lecture), <i>Dirk Brunter</i> ...	221
— On the occurrence of commensurable mean motions in the solar system. The mirror theorem, <i>A. E. Roy and M. W. Ovenden</i> ...	296
Special Funds ...	121
<b>Spectra of Stars and Nebulae</b> : The spectrum of Nova Sagittarii 1954 (Haro-Herraro), <i>M. W. Feast</i> ...	461
— Spectrophotometric measurements of early type stars. II. Results for stars of type B1 (Summary of paper published in the Publications of the Royal Observatory, Edinburgh), <i>W. M. H. Greaves, E. A. Baker and R. Wilson</i> ...	338
— Continuum intensities in planetary nebulae, <i>M. J. Seaton</i> ...	279
— RR Telescopii in 1953 and 1954, and the development of slow novae, <i>A. D. Thackeray</i> ...	236
— Spectrophotometric measurements of early-type stars. III. Further results and discussion for B1 stars. (Summary of paper in Publications of the Royal Observatory, Edinburgh), <i>R. Wilson</i> ...	702
<b>Spectroscopy and Spectrophotometry</b> : Atomic oscillator strengths and excitation potentials, <i>C. W. Allen and A. S. Asaad</i> ...	571
— Problems of Stark broadening for experimental and astronomical spectra liable to self-absorption, <i>Martin Johnson</i> ...	15
<b>Stars, Double and Multiple</b> : The bright double-lined eclipsing variable CV VEL., <i>Sergei Gaposchkin</i> ...	391
— Double stars (Report on progress of astronomy), <i>W. H. van den Bos</i> ...	187
<b>Stars. Fixed Stars. Stellar Astronomy</b> : The masses of the stars of Population II, <i>V. C. Reddish</i> ...	32
— The period-luminosity relation in Population II, <i>V. C. Reddish</i> ...	480
<b>Stars: Parallaxes, Proper Motions and Radial Velocities of</b> : On the relation between the stream and the ellipsoid constants, <i>D. G. Ewart</i> ...	47
<b>Stars: Parallaxes, Proper Motions and Radial Velocities of (cont.)</b> : — Note concerning "The constants of the velocity ellipsoid from the radial velocities of 820 stars", <i>D. G. Ewart</i> ...	575
— Radial velocities of southern B stars determined at the Radcliffe Observatory (Summary of paper published in the <i>Memoirs of the R.A.S.</i> ), <i>M. W. Feast, A. D. Thackeray and A. J. Wesselink</i> ...	217
— Radial velocities of cepheid variable stars in the southern hemisphere, <i>D. W. N. Stibbs</i> ...	363
<i>Stavenson, W. H.</i> , Report of his observatory (Cambridge) ...	183
<b>Stellar Clusters, Nebulae, Milky Way</b> : Surface photometry of the Magellanic Clouds, <i>A. R. Hagg</i> ...	473
— Emission objects in the Small Magellanic Cloud showing the N <sub>I</sub> , N <sub>2</sub> nebular lines, <i>E. M. Lindsay</i> ...	248

<b>Stellar Structure : Apical-motion constants for polytropic models, R. A. Brooker and T. W. Olle</b> ...	101
<i>Stibbs, D. W. N.</i> , The intrinsic colours of galactic cepheid variables ...	323
— Radial velocities of cepheid variable stars in the southern hemisphere ...	363
<b>Sun : Greenwich observations of the horizontal and vertical diameters of the Sun, P. J. D. Gething</b> ...	558
<b>Sun, Chromosphere and Prominences : Solar activity (Report on progress of astronomy) A. K. Das</b> ...	186
— The H $\alpha$ emission of prominences, <i>J. T. Jefferies</i> ...	617
<b>Sun, Photosphere : Note on the observed differences in spottedness of the Sun's northern and southern hemispheres, H. W. Newton and A. S. Milsom</b> ...	398
— A model solar atmosphere computed with the second approximation of the mean absorption coefficient, <i>A. Przybylski</i> ...	650
— Mean daily areas and heliographic latitudes of sunspots in the years 1953 and 1954, <i>Royal Greenwich Observatory</i> ...	577
<b>Sun, Spectra of External Envelope : Interferometric measurements of wave-lengths. II. Measurements at 6500 Å and a general discussion of the solar red shift, M.G. Adam</b> ...	405
— An interferometric investigation of the effect of hyperfine structure on solar line profiles, <i>W. R. Hindmarsh</i> ...	270
— Centre-limb variations in the equivalent widths of some infra-red Fraunhofer lines, <i>B. E. J. Pagel</i> ...	493
— Interpretation of Fraunhofer-line profiles, <i>H. H. Plaskett</i> ...	256
<b>Sunspots and Faculae : Mean areas and heliographic latitudes of sunspots in the years 1953 and 1954, Royal Greenwich Observatory</b> ...	577
— Solar activity (Report on progress of astronomy), <i>H. W. Newton</i> ...	185
<i>Sydney Observatory</i> , Report of proceedings of ...	176
<i>Sydney Radiophysics Laboratory</i> , Report of proceedings of ...	177
<i>Thackeray, A. D., M. W. Feast, A. J. Wesselink and</i> , Radial velocities of southern B stars determined at the Radcliffe Observatory (summary) ...	217
— RR Telescopii in 1953 and 1954, and the development of slow novae ...	236
<i>Thompson, A. R., R. Hanbury Brown, H. P. Palmer and</i> , Polarization measurements on three intense radio sources ...	487
<b>Treasurer's Accounts for 1954</b> ...	116
<b>Trust Funds</b> ...	121
<b>Universe : The instability of the Einstein universe, W. B. Bonnor</b> ...	310
— On the formation of galaxies in a steady state universe, <i>D. W. Sciama</i> ...	2
<i>van den Bos, W. H.</i> , Double stars (Report on progress of astronomy) ...	187
<i>de Vaucouleurs, A., R. v. d. R. Woolley, K. Gottlieb, W. Heintz and</i> , Monochromatic magnitudes of Mars in 1954 ...	57
<i>Victoria, Dominion Astrophysical Observatory</i> , Report and proceedings of ...	164
<i>Walker, A. M. and Andrew Young</i> , The analysis of the observations of the variation of latitude ...	443
<i>Waterfield, R. L.</i> , Report of his observatory (Ascot) ...	184
<i>Wellington, N.Z., Carter Observatory</i> , Report and proceedings of ...	181
<i>Wesselink, A. J., M. W. Feast, A. D. Thackeray and</i> , Radial velocities of southern B stars determined at the Radcliffe Observatory (summary) ...	217
<i>Wilkins, H. P.</i> , Report of his observatory (Bexleyheath) ...	184
<i>Wilson, R., W. M. H. Greaves, E. A. Baker and</i> , Spectrophotometric measurements of early type stars. II. Results for stars of type B1 (summary) ...	338
<i>Wilson, R.</i> , Spectrophotometric measurements of early-type stars. III. Further results and discussion for B1 stars (summary) ...	702
<i>Woolley, R. v. d. R., K. Gottlieb, W. Heintz and A. de Vaucouleurs</i> , Monochromatic magnitudes of Mars in 1954 ...	57
<i>Young, Andrew, A. M. Walker and</i> , The analysis of the observations of the variation of latitude ...	443